

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	04/03/2019 04/03/2019	Sterling York

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>2</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_RD2103_01_s_2012_2				
Comment Code					
Inspector Comment					
LMA regularly attends flood fight training put on by RD784 and DWR.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD2103_01_s_2013_5				
Comment Code					
Inspector Comment					
The LMA has a copy of the manual.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>6</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD2103_01_s_2013_6				
Comment Code					
Inspector Comment					
LMA stated that they have approx. 2500 sandbags and related flood fight material located in a mini storage in downtown Wheatland.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 South Dry Creek	Left	4.64	04/03/2019 04/03/2019	Sterling York

LM Start	0.00	Rating **	A	Issue No.	19
LM End	4.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.019794 °	39.042188 °
				-121.454006 °	-121.393576 °
DWR ID	DWR_RD2103_01_s_2019_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2019.					

Photo 1 of 1 : SP\_2019\_RD2103\_10\_19\_20190409\_00042.jpg



View looking downstream landside at the well maintained annual vegetation, Spring 2019.

LM Start	0.00	Rating **	A	Issue No.	20
LM End	4.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.019794 °	39.042188 °
				-121.454006 °	-121.393576 °
DWR ID	DWR_RD2103_01_s_2019_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2019.					

Photo 1 of 1 : SP\_2019\_RD2103\_10\_20\_20190409\_00041.jpg



View looking downstream waterside at the well maintained annual vegetation, Spring 2019.

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A : Acceptable  
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+ Issue Type  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	04/03/2019 04/03/2019	Sterling York

LM Start	0.06	Rating **	M	Issue No.	18
LM End	0.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.020173 °	39.020173 °
				-121.453003 °	-121.453003 °
DWR ID	DWR_RD2103_01_s_2019_18				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes in the levee slope need to be backfilled, Spring 2019.					

Photo 1 of 1 : SP\_2019\_RD2103\_10\_18\_20190409\_00040.jpg



View of squirrel holes on the landside looking downstream but no evidence of animal activity during Spring 2019 inspection.

LM Start	0.20	Rating **	M	Issue No.	23
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.020856 °	39.020938 °
				-121.450629 °	-121.450237 °
DWR ID	DWR_RD2103_01_f_2015_23				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes in the levee slope need to be backfilled.					

Photo 1 of 1 : SP\_2019\_RD2103\_10\_23\_20190305\_00003.jpg



View of squirrel holes on the waterside looking downstream but no evidence of animal activity.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	04/03/2019 04/03/2019	Sterling York

LM Start	0.82	Rating **	A/W	Issue No.	36
LM End	0.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.024811 °	39.024811 °
				-121.440750 °	-121.440750 °
DWR ID	19471				
Comment Code					
Inspector Comment					
FS_ID:38325 DS_ID:19471 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 14.4 feet below the crown. Concrete headwall, flap-gate, and 3-foot by 6-foot concrete splash apron located on the waterside (WS) toe. Outfall drain from old Grasshopper Slough. [Additional Reference(s): DWR Levee Logs, 2005. USACE Sacramento O&M Manual Unit No. 146, November 1962, (HLM 0.83)] FS Date: 3/20/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_38325\_69869.jpg



View of CMP crossing located on landward side.

LM Start	<b>0.82</b>	Rating **	A/W	Issue No.	<b>36 (cont)</b>
LM End	<b>0.82</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_38325\_69868.jpg



Close up view of crossing from landward side.

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Unit No. 01 South Dry Creek	Left	4.64	04/03/2019 04/03/2019	Sterling York

LM Start	0.82	Rating **	A/W	Issue No.	36 (cont)	
LM End	0.82	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.024811 °	39.024811 °	
				-121.440750 °	-121.440750 °	
DWR ID	19471					
Comment Code						
Inspector Comment						
FS_ID:38325 DS_ID:19471 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 14.4 feet below the crown. Concrete headwall, flap-gate, and 3-foot by 6-foot concrete splash apron located on the waterside (WS) toe. Outfall drain from old Grasshopper Slough. [Additional Reference(s): DWR Levee Logs, 2005. USACE Sacramento O&M Manual Unit No. 146, November 1962, (HLM 0.83)] FS Date: 3/20/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_38325\_69873.jpg



View of levee crown at crossing.

LM Start	1.27	Rating **	N	Issue No.	26
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.027261 °	39.027261 °
				-121.433269 °	-121.433269 °
DWR ID	DWR_RD2103_01_s_2016_26				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Stump needs to be removed fom slope.					

Photo 1 of 1 : SP\_2019\_RD2103\_10\_26\_20190305\_00004.jpg



View of tree stump on landside levee slope. Fall 2016, still exist as of Fall 2018.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	04/03/2019 04/03/2019	Sterling York

LM Start	0.02	Rating **	A	Issue No.	11
LM End	4.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.993502 °	39.031761 °
				-121.437016 °	-121.366800 °
DWR ID	DWR_RD2103_02_s_2019_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2019.					

Photo 1 of 1 : SP\_2019\_RD2103\_11\_11\_20190409\_00032.jpg



View looking upstream landside at the well maintained annual vegetation, Spring 2019.

LM Start	0.02	Rating **	A	Issue No.	13
LM End	4.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.993502 °	39.031761 °
				-121.437016 °	-121.366800 °
DWR ID	DWR_RD2103_02_s_2019_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Spring 2019.					

Photo 1 of 1 : SP\_2019\_RD2103\_11\_13\_20190409\_00033.jpg



View looking upstream waterside at the well maintained annual vegetation, Spring 2019.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	04/03/2019 04/03/2019	Sterling York

LM Start	1.86	Rating **	M	Issue No.	14
LM End	1.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.001644 °	39.001644 °
				-121.405450 °	-121.405450 °
DWR ID	DWR_RD2103_02_s_2019_14				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove downed tree from levee slope, Spring 2019.					

Photo 1 of 1 : SP\_2019\_RD2103\_11\_14\_20190409\_00034.jpg



View looking upstream waterside at a downed tree on the levee slope, Spring 2019.

LM Start	1.97	Rating **	C	Issue No.	12
LM End	1.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.002378 °	39.002378 °
				-121.403611 °	-121.403611 °
DWR ID	DWR_RD2103_02_f_2017_12				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:2017 Flood Fight Emergency Repair - 200 feet of site repaired in March 2017. Additional 50 feet requires repair after water receded. \$220,000 estimated total for completion and post project permits and mitigation					
Site ID No:488					
Site Designation:LMA-326					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/27/2017					
Notes: Site will likely degrade quickly due to lack of RSP along the lower portion of the bank slope and downstream end of site. At time of field visit, site does not appear to be any imminent threat of failure.					

No Photos

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Unit No. 02 Bear River	Right	4.88	04/03/2019 04/03/2019	Sterling York

LM Start	<b>2.59</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>2.59</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.009249 °	39.009249 °	
			-121.397334 °	-121.397334 °	
DWR ID	DWR_RD2103_02_s_2015_24				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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